

## Water Use Efficiency Annual Performance Report - 2012

WS Name: BURTON WATER COMPANY INC

Water System ID# : 09800 WS County: KING

Report submitted by: James Garrison

### Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

### Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period 01/01/2012 To 12/31/2012

Incomplete or missing data for the year? No

If yes, explain:

**Total Water Produced & Purchased (TP)** – Annual volume gallons 24,090,000 gallons

**Authorized Consumption (AC)** – Annual Volume in gallons 22,976,753 gallons

Distribution System Leakage – Annual Volume TP – AC 1,113,247 gallons

Distribution System Leakage – DSL =  $[(TP - AC) / TP] \times 100 \%$  4.6 %

3-year annual average - % 5.7 % 2010, 2011, 2012

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 06/21/2011

Has goal been changed since last performance report? No

*Note: Customer goal must be re-established every 6 years through a public process.*

### Customer WUE Goal (Demand Side):

1. reduce May-October usage by 55,000 c.f. , or 3%. This equates to 10% of the summer usage by the highest customers during 2009-2010. In the bi-monthly period of July-Aug, which typically sees the highest use of the year, it would reduce total consumption from approximately 846,000 c.f. to 812,000 c.f. On a full-year basis, the goal represents approximately a 2% reduction in consumption.

### Customer (Demand Side) Goal Progress:

Despite the steeper tiered pricing structure introduced in February 2011, peak season usage was higher in 2012 than in 2011. Burton Water attributes this to the unusually long summer drought in 2012, which extended into October. If 2013 peak season usage is not lower than in 2012, we will consider a more aggressive upper-tier pricing structure.

### Additional Information Regarding Supply and Demand Side WUE Efforts

*Although 2012's leakage rate of 4.6% was higher than the 3.72% achieved in 2011, 2012's result still was far better than the 10.2% leakage rate of 2009, when Burton Water began to address this issue. During 2012, we continued to progressively re-plumb and pipe sources, and we plan to finish that work in 2013.*

### Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

### All questions are voluntary

Month	Date of Measurement	Static Water Level (feet below measuring point)	Dynamic Water Level (feet below measuring point)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**Water level data:**

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...)

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface)

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

**Monthly/Seasonal Water Usage:**

What was your maximum daily water demand for the previous year (in gallons per day)? \_\_\_\_\_

Month	Volume of Water Produced in gallons
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

### Water shortage response:

Did you activate any level of water shortage response plan the previous year?

- ☐ Yes      ☐ No      ☐ There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

- ☐ Advisory Conservation      ☐ Voluntary Conservation  
☐ Mandatory Conservation      ☐ Rationing      ☐ Other

What factors caused your water shortage the previous year?

- ☐ Drought      ☐ Fire      ☐ Landslides      ☐ Earthquakes  
☐ Flooding      ☐ Water Supply Limitations      ☐ Other

**Do not mail, fax, or email this report to DOH**